

Attorney Docket No. 9314-52

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Scott LaDell Vance et al;

Application Serial No.: not yet assigned

Filed: concurrently herewith

For: PLANAR INVERTED F ANTENNAS INCLUDING CURRENT NULLS BETWEEN FEED
AND GROUND COUPLINGS AND RELATED COMMUNICATIONS DEVICES

Date: October 23, 2003

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,


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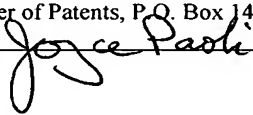
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Joyce Paoli



Substitute form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Compleat if Known	
				Application Number	To Be Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Scott LaDell Vance et al;
				Group Art Unit	Unknown
Examiner Name	Unknown				
Sheet	1	of	1	Attorney Docket Number	9314.52

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
	1.	US 5,434,579	343/700 MS	Kagoshima et al.	07/18/1995	
	2.	US 5,684,492	343/700 MS	Kagoshima et al.	11/04/1997	
	3.	US 5,926,139	343/702	Korisch	07/20/1999	
	4.	US 6,229,487	343/700 MS	Sadler et al.	05/08/2001	
	5.	US 6,166,694	343/702	Ying	12/26/2000	
	6.	US2002/0003499	343/700	Kouam et al.	01/10/2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	7.		WO 00/36700		Ying, Zhinong (PCT)	06/22/2000		
	8.		DE 201 14 387 U1	H01Q 1/38	Germany	08/31/2001		
	9.		EP 1 154 518 A2	H01Q 9/04	Europe	05/04/2001		
	10.		EP 1 052 723 A2	H01Q 9/04	Europe	05/08/2000		

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	11.	DOU, WEI PING ET AL., Novel Meandered Planar Inverted-F Antenna For Triple-Frequency Operation, Microwave and Optical Technology Letters, October 5, 2000, pages 58-60, Vol. 27, No. 1, Singapore	
	12.	OLLIKAINEN, JANI ET AL., Internal Dual-Band Patch Antenna for Mobile Phones, Helsinki University of Technology, Finland, date unknown, but for examination purposes, the date is before December 17, 2002, page 364 (4 sheets)	
	13.	WONG, KIN-LU, Chapter One, Introduction and Overview, Planar Antennas for Wireless Communications, January 2003, pages 1-25, ISBN: 0-471-26611-6	
	14.	Sager et al. "A Novel Technique to Increase the Realized Efficiency of a Mobile Phone Antenna Placed Beside a Head-Phantom," IEEE 2003.	
	15.	CHIU ET AL., Compact dual-band PIFA with multi-resonators, Electronics Letters, Vol. 38, No.12, 2 sheets, June 6, 2002.	
	16.	Patent Abstracts of Japan, Vol. 1998, No. 09, Publication Number 10093331, Microstrip Antenna System, 1 sheet, Publication Date October 4, 1998.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.